

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): In an electronic device having a processor and a computer readable memory coupled to each other, a method of configuring a wireless communication device of a cellular communication network, the method comprising the steps of: a) receiving a request to configure the wireless communication device to run a communication application of one of a plurality of cellular communication protocols, the wireless communication device having a plurality of function blocks with a fixed portion of hardware and a programmable portion of hardware, the same plurality of function blocks capable of operating a plurality of communication applications, wherein functions common to the function blocks are provided in the fixed portion of hardware and functions that vary between the function blocks are provided in the programmable portion of hardware; b) evaluating a capability of the fixed portion and the programmable portion of hardware of the wireless communication device for implementing the communication application; c) transmitting configuration information only for the programmable portion of hardware of the wireless communication device to enable it to operate the communication application; and d) transmitting an identification of the communication application to the wireless communication device.

Claim 2 (Original): The method recited in claim 1 wherein the configuration information is hardware configuration parameters.

Claim 3 (Previously Presented): The method recited in claim 1 wherein the method further comprises the steps of: e) receiving a request to configure the wireless communication device for a plurality of communication applications; and f) repeating steps b) through d) for each of the plurality of communication applications.

Claim 4 (Previously Presented): The method recited in claim 1 wherein the method further comprises the steps of: e) receiving a request to change the application of the wireless communication device to a new communication application; and f) repeating steps b) through d) for the new communication application.

Claim 5 (Previously Presented): The method recited in claim 1 wherein the method further comprises the step of: e) evaluating whether a subscription for the requested communication application exists.

Claim 6 (Previously Presented): The method recited in claim 1 wherein only configuration information for the functional blocks required for the communication application is transmitted.

Claim 7 (Previously Presented): The method recited in claim 1 wherein the communication application is enhanced quality of service (QOS).

Claim 8 (Original): The method recited in claim 1 wherein the quality of service determines the amount of transmit diversity.

Claim 9 (Previously Presented): The method recited in claim 1 wherein the quality of service determines the amount of bandwidth available for communication (or the data rate) with the wireless communication device.

Claim 10 (Currently Amended): In an electronic device having a processor and a computer readable memory coupled to each other, a method of varying the quality of

service provided to a wireless communication device of a cellular communication network, the method comprising the steps of: a) receiving a request for cost of a quality of service option of one of a plurality of cellular communication protocols for a ~~the~~ wireless communication device, the wireless communication device having a plurality of function blocks with a fixed portion of hardware and a programmable portion of hardware, the same plurality of function blocks capable of operating a plurality of services, wherein functions common to the function blocks are provided in the fixed portion of hardware and functions that vary between the function blocks are provided in the programmable portion of hardware; b) transmitting information regarding the quality of service and its cost to a user; c) receiving from the wireless communication device, a request to obtain the quality of service at the cost; and d) transmitting configuration information to the wireless communication device to enable it to operate the quality of service, the configuration information being limited to the programmable portion of hardware of the wireless communication device to enable it to operate the communication application.

Claim 11 (Original): The method recited in claim 10 further comprising the step of: e) generating a reduced cost for quality of service if resources related to the quality of service have not been consumed; and f) repeating steps b) through d) for the reduced cost.

Claim 12 (Original): The method recited in claim 10 further comprising the step of: e) billing the user for the quality of service; and f) downgrading the quality of service when the subscription expires.

Claim 13 (Previously Presented): The electronic device recited in claim 12 further comprising the step of: e) receiving a bid from the user for the quality of service wherein the bid is lower than the cost; and f) providing the quality of service if resources for the quality of service exist for the price of the bid.

Claim 14 (Currently Amended): An electronic device for transmitting a configuration for a configurable wireless communication device of a cellular communication network, the electronic device comprising: a computer readable memory; a processor coupled to the computer readable memory, the computer readable memory containing instructions and data, that when executed on the processor, implement a method for transmitting a configuration for the configurable wireless communication device, the method comprising the steps of: a) receiving a request to configure the wireless communication device to run a wireless communication application of one of a plurality of cellular communication protocols, the wireless communication device having a plurality of function blocks with a fixed portion of hardware and a programmable portion of hardware, the same plurality of function blocks capable of operating a plurality of communication applications, wherein functions common to the function blocks are provided in the fixed portion of hardware and functions that vary between the function blocks are provided in the programmable portion of hardware; b) evaluating a capability of the fixed portion and the programmable portion of hardware of the wireless communication device for implementing the communication application; c) transmitting configuration information only for the programmable portion of hardware of the wireless communication device to enable it to operate the communication application; and d) transmitting an identification of the communication application to the wireless communication device.

Claim 15 (Original): The electronic device recited claim 14 wherein the configuration information is hardware configuration parameters.

Claim 16 (Previously Presented): The electronic device recited in claim 14 wherein the method further comprises the steps of: e) receiving a request to configure the wireless communication device for a plurality of applications; and f) repeating steps b) through d) for each of the plurality of communication applications.

Claim 17 (Previously Presented): The electronic device recited in claim 14 wherein the method further comprises the steps of: e) receiving a request to change the application of the wireless communication device to a new application; and f) repeating steps b) through d) for the new application.

Claim 18 (Original): The electronic device recited in claim 14 wherein the method further comprises the step of: e) evaluating whether a subscription for the requested application exists.

Claim 19 (Original): The electronic device recited in claim 14 wherein only configuration information for the functional blocks required for the application is transmitted.

Claim 20 (Original): The electronic device recited in claim 14 wherein the application is enhanced quality of service (QOS).

Claim 21 (Original): The electronic device recited in claim 14 wherein the quality of service determines the amount of transmit diversity.

Claim 22 (Previously Presented): The electronic device recited in claim 14 wherein the quality of service determines the amount of bandwidth available for communication (or the data rate) with the wireless communication device.

Claim 23 (Currently Amended): An electronic device for transmitting a configuration for a configurable wireless communication device of a cellular communication network, the electronic device comprising: a computer readable memory; a processor coupled to the computer readable memory, the computer readable memory containing instructions and data, that when executed on the processor, implement a method of varying ~~the~~ a quality of service of one of a plurality of cellular communication protocols provided to a wireless communication device, the method comprising the steps of: a) receiving a request for cost of a quality of service option for the wireless communication device, the wireless communication device having a plurality of function blocks with a fixed portion of hardware and a programmable portion of hardware, the same plurality of function blocks capable of operating a plurality of services, wherein functions common to the function blocks are provided in the fixed portion of hardware and functions that vary between the function blocks are provided in the programmable portion of hardware; b) transmitting information regarding the quality of service and its cost to a user; c) receiving from the wireless communication device, a request to obtain the quality of service at the cost; and d) transmitting configuration information to the wireless communication device to enable it to operate the quality of service, the configuration information being limited to the programmable portion of hardware of the wireless communication device to enable it to operate the communication application.

Claim 24 (Original): The electronic device recited in claim 23 further comprising the step of: e) generating a reduced cost for quality of service if resources related to the quality of service have not been consumed; and f) repeating steps b) through d) for the reduced cost.

Claim 25 (Original): The electronic device recited in claim 23 further comprising the step of: e) billing the user for the quality of service; and f) downgrading the quality of service when the subscription expires.

Claim 26 (Original): The electronic device recited in claim 23 further comprising the step of: e) receiving a bid from the user for the quality of service wherein the bid is lower than the cost; and f) providing the quality of service if resources for the quality of service exist for the price of the bid.

Claim 27 (New): The method recited in claim 1 wherein the electronic device is located in one of a mobile terminal and a base station.

Claim 28 (New): The method recited in claim 10 wherein the electronic device is located in one of a mobile terminal and a base station.

Claim 29 (New): The electronic device recited in claim 14 wherein the electronic device is located in one of a mobile terminal and a base station.

Claim 30 (New): The electronic device recited in claim 23 wherein the electronic device is located in one of a mobile terminal and a base station.